

REMARKS

In light of the amendments above and remarks to follow, reconsideration and allowance of this application are respectfully requested.

Claims 1, 3-7, 9-13, and 15-19 are pending in this application. Claims 2, 8, and 14 have been canceled without prejudice.

Claims 1-10, 12-17, and 19 are rejected under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,246,715 to Park et al.

As described in claim 1, the present invention is directed to a transmitting apparatus that transmits a quadrature modulated signal. The transmitting apparatus has a first transmitter to transmit data as a first component or an in-phase signal component (I-channel) of the quadrature modulated signal. The transmitting apparatus also includes a second transmitter to transmit a training signal as a second component or a quadrature signal component (Q-channel) of the quadrature modulated signal.

Park does not disclose transmitting data as a first signal component, such as I-channel, and transmitting a training signal as a second signal component, such as Q-channel, of a quadrature modulated signal. As shown in Figs. 1 and 2 of Park, the pilot channel data and the user data channel are transmitted on both an I-channel and a Q-channel. Accordingly, Park does not teach the features of amended independent claim 1.

For reasons somewhat similar to those described above with regard to independent claim 1, amended independent claims 3, 6, 7, 9, 12, 13, 15, and 19 are believed to be distinguishable from Park.

Claims 4, 5, 10, 16, and 17 depend from one of the independent claims, and, at least due to such dependency, are believed to be distinguishable from Park.

The Examiner objected to claim 18 and stated that claim 18 would be allowable if rewritten in independent form to include the base claim and any intervening claims. Claim 18 has been rewritten herein to include the limitations of claims 13 and 17 from which it depended.

Applicant appreciates the Examiner assertion that claim 11 is allowable.

As it is believed that all of the rejections set forth in the Official Action have been fully met, favorable reconsideration and allowance are earnestly solicited. If, however, for any reason the Examiner does not believe that such action can be taken at this time, it is respectfully requested that he/she telephone applicant's attorney at (908) 654-5000 in order to overcome any additional objections which he might have.

If there are any additional charges in connection with this requested amendment, the Examiner is authorized to charge Deposit Account No. 12-1095 therefor.

Dated: February 1, 2006

Respectfully submitted,

By Mayush Singhvi
Mayush Singhvi
Registration No.: 50,431
LERNER, DAVID, LITTBENBERG,
KRUMHOLZ & MENTLIK, LLP
600 South Avenue West
Westfield, New Jersey 07090
(908) 654-5000
Attorney for Applicant